

**1300.06 CONTRACTOR FURNISHED CONSTRUCTION SURVEY**

- A. Construction Staking And Surveying As Contract Item. On projects with “Construction Staking and Surveying” included as a contract item, the contractor is responsible for construction staking. The prime contractor may subcontract this item.
- B. Additional Survey Work Payment. Additional survey work required because of plan revisions or changes directed by Project Manager shall be paid for as extra work according to *SSHC Subsection 109.05* or be done by the Department.
- C. Contractor’s Responsibilities Include:
- The Contractor’s Surveyor must comply with the minimum requirements in Tables 1300.1 through 1300.5 and all other surveying requirements in this manual.
  - Provide survey data in a format that is compatible with GeoPak.
  - Stake right-of-way, temporary easements, and right-of-entry reference.
  - Preserve and reestablish all centerline control points-point of curve (PC), point of tangent (PT), point of intersection (PI), and point on tangent (POT); and all spiral points (TS, SC, CS, and ST).
  - Establish relocation centerline and related points, including extensions of cross sections, if not established in field by time of advertising for bids.
  - Staking culverts, bridges, sewers and all other structures and pavement requirements.
  - Perform a level circuit to check benchmarks prior to start of construction. Report the results of this survey to the PM immediately upon completion.
  - Stake right-of-way break points.
  - Establish permanent benchmarks and permanent ties to all required points. A copy of all ties must be provided to the Project Manager.
  - Reestablish land corners and section corners. If this is pay item in the contract then this is a contractor requirement.
    - Section corners are usually reestablished by the county.
    - In rural areas the property corners are usually not reestablished by a registered land surveyor.
    - In urban areas property corners are reestablished by a registered land surveyor and this is a separate pay item.

D. Department Responsibilities:

- Take elevation reading of settlement plates.
- Perform work identified in the special provisions of the contract.

E. Special Attention Items

1. The Project Manager should be notified and/or consulted for guidance if the following conditions occur:
  - Proposed culvert is staked and its location does not fit existing ground elevations.
  - Conflicting conditions occur such as existing water line located at same location as the proposed sewer line.
  - Farm subdrains are present. Contractor will determine their location, size, and elevation. The Project Manager will establish final size, location, and elevation for construction of tile line to be staked by the contractor.
  - Slope stakes do not match design cross section.

F. Documentation

1. Field notes are to be kept in the bound field books. After project completion, field books become the property of the Department.

G. Contract Administration

1. By Specification, "construction survey" is identified as a "specialty item."
2. "Construction survey" is considered a professional service, therefore Davis-Bacon requirements do not apply.
3. If survey work is performed by someone other than the contractor, a "Subcontract Request and Approval" form shall be submitted. All requirements of subcontractors are to be fulfilled with the exception of Davis-Bacon requirements.